

WHAT IS CLAIMED IS:

1. A system for monitoring assets and personnel associated with a business enterprise, comprising:

5 a materials tagging subsystem comprising: RFID tags placed on items of property, mobile scanners for querying the tags and receiving tag data, a materials database for storing tag data, and remote materials programming for collecting tag data, wherein the mobile scanners are in wireless communication with the tag programming;

10 a tools tagging subsystem having: RFID tags placed on items of property, portal scanners for querying the tags and receiving tag data at a portal, a tools database for storing tag data, and remote tools programming for collecting tag data, wherein the portal scanners are in communication with the tools programming;

15 a personnel tracking subsystem having: geolocation personnel tracking devices carried by personnel, stationary access points for wirelessly communicating with the tracking devices, a personnel database for storing tracking data, and remote personnel programming for collecting tracking data, wherein the stationary access points are in communication with the tracking programming by means of a LAN network; and

20 a command and control subsystem for integrating the materials programming and database, the tools programming and database, and the personnel programming and database;

25 wherein the command and control subsystem has at least one monitoring station.

2. The system of Claim 1, wherein the command and control programming communicates with the programming of the other subsystems using IP protocol.

5           3. The system of Claim 1, wherein the personnel tracking devices are operable to read RFID tags on tools or materials.

10           4. The system of Claim 1, wherein the personnel tracking subsystem is implemented as a wireless ad hoc network.

15           5. The system of Claim 1, further comprising a maps database, and wherein the command and control subsystem is operable to access the maps database and display locations of materials based on input from the materials tagging subsystem.

20           6. The system of Claim 5, wherein materials are displayed as clickable icons on the map, such that clicking an icon results in a display of additional data about a material.

25           7. The system of Claim 1, further comprising a maps database, and wherein the command and control subsystem is operable to access the maps database and display locations of tools based on input from the tools tagging subsystem.

8. The system of Claim 7, wherein tools are displayed as clickable icons on the map, such that clicking an icon results in a display of additional data about a tool.

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9. The system of Claim 1, wherein the personnel tracking devices are equipped with at least one environmental sensor.

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10. The system of Claim 1, further comprising an actuator subsystem having at least one actuator operable in response to communications from the command and control subsystem in response to input from a personnel tracking device.

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11. The system of Claim 1, wherein the personnel tracking devices incorporate at least a two way communications device.